

WE CLAIM:

1. A method for providing a custom message set within a vehicle message service system, the method comprising:
  - 5 receiving at least one vehicle message service request;  
determining at least one set of vehicle parameters based on the received vehicle message service request;  
requesting at least one vehicle message for the set of vehicle parameters from a database; and
  - 10 generating the custom message set based on the vehicle messages.
2. The method of claim 1, further comprising:
  - 15 transmitting the generated custom message set to a vehicle client.
3. The method of claim 2, wherein transmitting the generated custom message set to the vehicle client comprises:
  - passing the custom message set to a vehicle session manager;  
assigning a priority value to the custom message set based on at
  - 20 least one communication priority value;  
passing the custom message set to one of a plurality of message queues based on the priority value; and
  - transmitting the custom message set to the vehicle client based on the message queue the custom message set is located within.
- 25 4. The method of claim 3, wherein the at least one communication priority value is determined using factors selected from the group consisting of: the contents of the custom message set, vehicle client conditions, message set size, and application related priority.

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5. The method of claim 1, wherein the vehicle message service request includes vehicle information, service-level information, and at least one service request.

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6. The method of claim 1, wherein the method of determining at least one set of vehicle parameters comprises:

analyzing the received vehicle message service request for vehicle information, service-level information, and at least one service request;

10 producing a set of vehicle parameters for each service request and associated vehicle information and service-level information; and

producing a database query based on the at least one set of vehicle parameters.

15 7. The method of claim 1, wherein the database includes a lookup table having at least one associated vehicle message for each of the at least one set of vehicle parameters.

20 8. The method of claim 1, wherein the method of generating the custom message set responsive to the received vehicle parameters comprises:

receiving a vehicle message for each of the at least one set of vehicle parameters from the database; and

producing an object including the vehicle messages.

25 9. The method of claim 1, wherein the vehicle messages are selected from the group consisting of: proprietary over-the-air messages, proprietary vehicle LAN messages, and OEM vehicle bus messages.

10. A computer readable medium for producing a custom message set within a vehicle message service system comprising:

- computer readable code for determining at least one set of vehicle parameters based on at least one received vehicle message service request;
- computer readable code for requesting at least one vehicle message for the set of vehicle parameters from a database; and
- computer readable code for generating the custom message set responsive to the vehicle messages.

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11. The computer readable medium of claim 10, further comprising:  
computer readable code transmitting the generated custom message set to a vehicle client.

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12. The computer readable medium of claim 11, wherein the computer readable code for transmitting the generated custom message set to the vehicle client comprises:

- computer readable code for passing the custom message set to a vehicle session manager;
- computer readable code for assigning a priority value to the custom message set based on at least one communication priority value;
- computer readable code for passing the custom message set to one of a plurality of message queues based on the priority value; and
- computer readable code for transmitting the custom message set to the vehicle client based on the message queue the custom message set is located within.

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13. The computer readable medium of claim 12, wherein the at least one communication priority is determined using factors selected from the group consisting of: the contents of the custom message set, vehicle client conditions,  
5 message set size, and application related priority.

14. The computer readable medium of claim 10, wherein the vehicle message service request includes vehicle information, service-level information, and at least one service request.  
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15. The computer readable medium of claim 10, wherein the computer readable code for determining at least one set of vehicle parameters based on the received vehicle message service request comprises:  
computer readable code for analyzing the received vehicle  
15 message service request for vehicle information, service-level information, and at least one service request;  
computer readable code for producing a set of vehicle parameters for each service request and associated vehicle information and service-level information; and  
20 computer readable code for producing a database query based on the at least one set of vehicle parameters.

16. The computer readable medium of claim 10, wherein the database includes a lookup table having at least one associated vehicle message for each  
25 of the at least one set of vehicle parameters.

17. The computer readable medium of claim 10, wherein the computer readable code for generating the custom message set responsive to the received vehicle parameters comprises:

5 computer readable code for producing an object including the vehicle messages based on a received vehicle message for each of the at least one set of vehicle parameters from the database .

18. The computer readable medium of claim 10, wherein the vehicle  
10 messages are selected from the group consisting of: proprietary over-the-air messages, proprietary vehicle LAN messages, and OEM vehicle bus messages.

19. A system for providing a custom message set within a vehicle message service system, the system comprising:

15 means for receiving at least one vehicle message service request;  
means for determining at least one set of vehicle parameters based on the received vehicle message service request;  
means for requesting at least one vehicle message for the set of vehicle parameters from a database; and  
20 means for generating the custom message set responsive to the vehicle messages.